

This listing of claims replaces all prior versions, and listings of claims in the instant application:

Listing of Claims:

1. (Original) A method in a computer system for identifying at runtime a resource allocation error generated by a virtual machine compiler encompassing generating code to perform steps at runtime, said steps comprising:

obtaining a resource allocation indicator at runtime;
testing at least one bit of said resource allocation indicator, wherein said at least one bit corresponds to an allocated resource;

halting execution if said at least one corresponding bit of said resource allocation indicator is set;

setting said at least one corresponding bit, when said at least one corresponding bit is unset, to indicate allocation of said corresponding resource; and,

unsetting said at least one corresponding bit when said corresponding resource is deallocated.

2. (Original) The method of claim 1 wherein the halting step performed at runtime further comprises generating an error condition when said at least one bit is set.

3. (Original) The method of claim 1 wherein the steps performed at runtime further comprise:

unsetting said at least one corresponding bit following a conditional branch wherein said corresponding resource is no longer required.

4. (Cancelled) - Please cancel Claim 4, without prejudice.

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5. (Cancelled) - Please cancel Claim 5, without prejudice.
6. (Cancelled) - Please cancel Claim 6, without prejudice.

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